	INTERNATIONAL SEARCH REPO)RT	International application No. PCT/KR2004/002389	
A. CLAS	SSIFICATION OF SUBJECT MATTER		1 C1/MC2004/002589	
	60N 2/44			
	nternational Patent Classification (IPC) or to both nati	anal elegation and IDC		
	DS SEARCHED	onal classification and IPC		
	umentation searched (classification system followed b	v classification symbols)		
	27/00,27/08, B60N 2/00,2/04,2/44	, 0.115015)		
Documentatio KR, JP IPC	n searched other than minimum documentation to the as above	extent that such documents are	included in the fields searched	
	a base consulted during the intertnational search (name a System in Korean Intellectual Property Office	e of data base and, where practic	cable, search terms used)	
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passag	Relevant to claim No.	
. A .	JP 63-159553U(NIKKO SANGYO KK , ACHILLE See claim1, fig1-11	S CORP) 19 October 1988	1	
. A	JP 10-14718A(KOMORI IRYO KK ,KUMAMOTO See the whole document	HIKARI) 20 January 1998	1	
A	KR 20-337242Y(HYUPSUNG IND. CO., LTD) 31 See claim1, fig 1-4	December 2003	1	
Further	documents are listed in the continuation of Box C.	X See patent family	y annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the acti	ual completion of the international search	Date of mailing of the interna	tional search report	
05	JANUARY 2005 (05.01.2005)	06 JANUAR	Y 2005 (06.01.2005)	
K S	ling address of the ISA/KR Corean Intellectual Property Office 20 Dunsan-dong, Seo-gu, Daejeon 302-701, depublic of Korea	Authorized officer LEE, Dong Kuk	The same of the sa	

Telephone No. 82-42-481-5427

Facsimile No. 82-42-472-7140

INTERNATIONAL SEARCH REPORT

Information on patent family members

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JP 63-159553U	19. 10.1988	None	
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KR 20-337242	31.12. 2003	None	,